

Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

Claims 1 - 8: (cancelled)

9. (Original) A light source for therapy and/or diagnosis, comprising a first rigid array of light-emitting diodes, a second rigid array of light emitting diodes movably connected to an edge of the first array, a third rigid array of light-emitting diodes movably connected to another edge of the first array, and one or more fans for cooling the first, second and/or third rigid arrays.

10. (Original) A light source for therapy and/or diagnosis, comprising a first rigid array of light-emitting diodes, a second rigid array of light emitting diodes movably connected to a first edge of the first array, a third rigid array of light-emitting diodes movably connected to a second edge of the first array, and a fourth rigid array of light-emitting diodes movably connected to a third edge of the first array.

11. (Original) A method of treatment of the face and/or scalp, comprising illuminating respectively the face and/or scalp of a patient with light from a light source comprising a first rigid array of light-emitting diodes, a second rigid array of light emitting diodes movably connected to a first edge of the first array, and a third rigid array of light-emitting diodes movably connected to a second edge of the first array.

12. (Original) A light source for therapy and/or diagnosis, comprising a support for supporting the patient and an array of light-emitting diodes mounted on a curved inner surface of a rigid cover arranged to cover at least part of the length of a patient when supported by the support.

13. (Original) A light source as claimed in claim 12, wherein said support includes a further array of light-emitting diodes.

14. (Original) A light source as claimed in claim 13, wherein said further array comprises a plurality of sections which are independently switchable.

15. (Original) A light source as claimed in any one of claims 12 to 14, wherein said further array is planar.

16. (Cancelled)

17. (Cancelled)

18. (Original) A light source for therapy or diagnosis, comprising an array of light emitting diodes coupled to a waveguide which tapers away from the diodes so as to concentrate light emitted by the diodes.

19. (Original) A light source according to claim 18, including a parallel-sided light guide coupled to the waveguide so that the light emitted by the light-emitting diodes is concentrated into the parallel-sided light guide.

20. (Original) A light source according to claim 19 wherein the parallel-sided light guide comprises one or more optical fibres and/or liquid light guides.

Claims 21 - 33: (Cancelled)

34. (Original) A light source according to claim 18 or 19, wherein the waveguide is frusto-conical.

35. (Original) A light source according to claim 34, wherein the waveguide is of acrylic or glass.

36. (Original) A light source according to claim 18 or 19, including an array of individual heatsinks mounted on the light-emitting diodes.

37. (Original) A therapeutic light source, comprising an array of light-emitting diodes arranged so that light from the light-emitting diodes is incident directly in the treatment field with an output intensity of at least 10 mW/cm^2 and a spatial intensity fluctuation of 6% or less, and means for cooling the diodes by forced air convection.

38. (Original) A therapeutic light source, comprising an array of discretely mounted light-emitting diodes arranged so that light from the light-emitting diodes is incident directly in the treatment field with an output intensity of at least 10 mW/cm^2 and a spatial intensity fluctuation of 10% or less, and means for cooling the diodes by forced air convection.

39. (Original) A light source as claimed in claim 38, wherein the light-emitting diodes are electrically connected in a parallel-series matrix.

40. (Original) A light source as claimed in claim 38, wherein the diodes are thermally coupled to one or more heatsinks.

41. (Original) A light source as claimed in claim 38, wherein the diodes are thermally coupled to an array of individual heatsinks.

42. (Original) A light source as claimed in claim 38, wherein the light-emitting diodes and the heatsinks are mounted on opposite sides of a support plate.

43. (Original) A light source as claimed in claim 42, wherein the support plate is perforated to allow air to flow around the heatsinks and light-emitting diodes.

44. (New) A therapeutic light source, comprising an array of discretely mounted light-emitting diodes thermally coupled to an array of individual heatsinks and arranged

so that light from the light-emitting diodes is incident in a treatment field, and means for cooling the diodes by forced air convection.

45. (New) A light source as claimed in claim 44, wherein the treatment field has an extent approximately equal to that of the array of diodes.

46. (New) A light source as claimed in claim 44, wherein the light is incident directly in the treatment field.

47. (New) A light source as claimed in claim 44, wherein the spatial intensity fluctuation of the light in the treatment field is 10% or less.

48. (New) A light source as claimed in claim 44, wherein the spatial intensity fluctuation of the light in the treatment field is 6% or less.

49. (New) A light source as claimed in claim 44, wherein the light-emitting diodes and the heatsinks are mounted on a support plate.

50. (New) A light source as claimed in claim 49, wherein the light-emitting diodes and the heat sinks are mounted on opposite sides of the support plate.

51. (New) A light source as claimed in claim 50, wherein the support plate is perforated to allow air to flow around the heatsinks and light emitting diodes.

52. (New) A light source as claimed in claim 49, wherein the support plate is perforated to allow air to flow around the heatsinks and light-emitting diodes.

53. (New) A light source as claimed in claim 44, wherein light from the light-emitting diodes is not concentrated by any optical system.

54. (New) A light source as claimed in claim 44, wherein the light emitting diodes have emission wavelengths substantially in a range of 370 to 450 nm.

55. (New) A light source as claimed in claim 54, wherein the light emitting diodes have emission wavelengths substantially in a range of 400 to 430 nm.

56. (New) A light source as claimed in claim 44, wherein the light emitting diodes have emission wavelengths substantially in a range of 550 to 660 nm.

57. (New) A light source as claimed in claim 56 wherein the light emitting diodes have emission wavelengths substantially in a range of 590 to 640 nm.

58. (New) Use of a light source as claimed in claim 44, for cosmetic treatment of a patient.

59. (New) Use as claimed in claim 58, wherein the treatment comprises skin rejuvenation.

60. (New) Use as claimed in claim 58, wherein the treatment comprises wrinkle removal.

61. (New) Use as claimed in claim 58, wherein the treatment comprises biostimulation.

62. (New) A light source for therapy and/or diagnosis, comprising a first rigid array of light-emitting diodes, a second rigid array of light emitting diodes movably connected to an edge of the first array and a third rigid array of light-emitting diodes movably connected to another edge of the first array, wherein each said array is arranged so that light from the light-emitting diodes is incident in a treatment field and each said array includes means for cooling the diodes by forced air convection.

63. (New) A light source as claimed in claim 62, further including a fourth array of light-emitting diodes movably connected to a further edge of the first array.

64. (New) A light source as claimed in claim 62, arranged for treatment of the face and/or scalp.

65. (New) A light source as claimed in claim 62, wherein the light is incident directly in the treatment field.

66. (New) A light source as claimed in claim 62, wherein each said array is arranged so that light from the light-emitting diodes is incident in the treatment field with an output intensity of at least 10 mW/cm^2 and a spatial intensity fluctuation of 10% or less.